## Updated

## **EAST Search History**

| Ref# | Hits    | Search Query   | DBs   | Default<br>Operator | Plurals | Time Stamp          |
|------|---------|--|---|---------------------|---------|---------------------|
| L1   | 704     | 507/119,118,925.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2009/05/04<br>10:25 |
| L2   | 1408    | vinylneodecanoate vinyl<br>\$1neodecanoate\$1 vinylneo<br>\$1decanoate\$1 vinyl\$1neo<br>\$1decanoate\$1 (vinyl adj<br>neodecanoate) (vinylneo adj<br>decanoate) (vinyl adj neo<br>\$1decanoate\$1) (vinyl\$1neo<br>\$1 adj decanoate) (vinyl adj<br>neo adj decanoate)      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | O       | 2009/05/04<br>10:25 |
| L3   | 37270   | ethylhexylacrylate ethyl<br>\$1hexylacrylate\$1 ethylhexyl<br>\$1acrylate\$1 ethyl\$1hexyl<br>\$1acrylate\$1 (ethyl adj<br>hexylacrylate) (ethylhexyl<br>adj acrylate) (ethyl adj hexyl<br>\$1acrylate) (ethyl\$1hexyl\$1<br>adj acrylate) (ethyl adj hexyl<br>adj acrylate) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2009/05/04<br>10:25 |
| L4   | 2107414 | emulsi\$4 or disper\$4 or<br>surfact\$4 or (surface adj<br>active)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2009/05/04<br>10:25 |
| L5   | 1       | (L2 with L3) with L4   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2009/05/04<br>10:25 |
| L6   | 3       | (L2 with L3) same L4   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2009/05/04<br>10:25 |
| L7   | 45      | (L2 with L3) and L4  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2009/05/04<br>10:25 |

| L8  | 918564 | copolymer or co\$1polymer<br>or (co adj polymer)                           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>10:25 |
|-----|--------|--|---|----|----|---------------------|
| L9  | 9      | ((L2 with L3) with L8) and L4  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>10:25 |
| L10 | 2      | (((L2 with L3) same L8) and L4) not L9                                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>10:25 |
| L11 | 25     | (((L2 with L3) and L8) and<br>L4) not (L9 or L10)                          | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>10:25 |
| L12 | 258207 | acrylicacid or acrylic\$1acid\$1<br>or (acrylic adj acid)                  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>10:25 |
| L13 | 17     | ((L2 with L3) with L12) and L4   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>10:25 |
| L14 | 8      | (((L2 with L3) same L12)<br>and L4) not L13                                | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>10:25 |
| L15 | 6      | (((L2 with L3) and L12) and<br>L4) not (L9 or L10 or L11 or<br>L13 or L14) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>10:25 |

| L16 | 1408    | vinylneodecanoate vinyl<br>\$1neodecanoate\$1 vinylneo<br>\$1decanoate\$1 vinyl\$1neo<br>\$1decanoate\$1 (vinyl adj<br>neodecanoate) (vinylneo adj<br>decanoate) (vinyl adj neo<br>\$1decanoate\$1) (vinyl\$1neo<br>\$1 adj decanoate) (vinyl adj<br>neo adj decanoate)      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>10:25 |
|-----|---------|--|---|----|----|---------------------|
| L17 | 37270   | ethylhexylacrylate ethyl<br>\$1hexylacrylate\$1 ethylhexyl<br>\$1acrylate\$1 ethyl\$1hexyl<br>\$1acrylate\$1 (ethyl adj<br>hexylacrylate) (ethylhexyl<br>adj acrylate) (ethyl adj hexyl<br>\$1acrylate) (ethyl\$1hexyl\$1<br>adj acrylate) (ethyl adj hexyl<br>adj acrylate) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>10:25 |
| L18 | 2107414 | emulsi\$4 or disper\$4 or<br>surfact\$4 or (surface adj<br>active)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>10:25 |
| L19 | 918564  | copolymer or co\$1polymer<br>or (co adj polymer)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>10:25 |
| L20 | 9       | ((L16 with L17) with L19)<br>and L18   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>10:25 |
| L21 | 2       | (((L16 with L17) same L19)<br>and L18) not L20   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>10:25 |
| L22 | 25      | (((L16 with L17) and L19)<br>and L18) not (L20 or L21)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>10:25 |
| L23 | 258207  | acrylicacid or acrylic\$1acid\$1<br>or (acrylic adj acid)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>10:25 |

| L24 | 17   | ((L16 with L17) with L23)<br>and L18  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>10:25 |
|-----|------|---|---|----|----|---------------------|
| L25 | 8    | (((L16 with L17) same L23)<br>and L18) not L24  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>10:25 |
| L26 | 6    | (((L16 with L17) and L23)<br>and L18) not (L20 or L21 or<br>L22 or L24 or L25)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>10:25 |
| L27 | 200  | (mineral adj oil) with synthetic with paraffin with olefin  | US-PGPUB;<br>USPAT  | OR | ON | 2009/05/04<br>10:25 |
| L28 | 40   | L27 and ("507"/\$.ccls. or<br>"166"/\$.ccls.)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>10:25 |
| S1  | 1    | "4777200".pn.   | USPAT   | OR | ON | 2007/10/01<br>10:56 |
| S2  | 683  | 507/119,118,925.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/01<br>11:13 |
| S3  | 43   | S2 and @pd>="20051108"  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/01<br>11:15 |
| S4  | 1068 | vinylneodecanoate vinyl<br>\$1neodecanoate\$1 vinylneo<br>\$1decanoate\$1 vinyl\$1neo<br>\$1decanoate\$1 (vinyl adj<br>neodecanoate) (vinylneo adj<br>decanoate) (vinyl adj neo<br>\$1decanoate\$1) (vinyl\$1neo<br>\$1 adj decanoate) (vinyl adj<br>neo adj decanoate) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/01<br>14:28 |

| S5  | 62303   | "507"/\$.ccls. or "166"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/01<br>14:29 |
|-----|---------|--|---|----|----|---------------------|
| S6  | 6       | S4 and S5  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/01<br>14:33 |
| S7  | 35692   | drilling adj (fluid or mud)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/01<br>14:33 |
| S8  | 5       | (S4 and S7) not S5   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/01<br>14:33 |
| S9  | 30836   | ethylhexylacrylate ethyl<br>\$1hexylacrylate\$1 ethylhexyl<br>\$1acrylate\$1 ethyl\$1hexyl<br>\$1acrylate\$1 (ethyl adj<br>hexylacrylate) (ethylhexyl<br>adj acrylate) (ethyl adj hexyl<br>\$1acrylate) (ethyl\$1hexyl\$1<br>adj acrylate) (ethyl adj hexyl<br>adj acrylate) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/01<br>14:36 |
| S10 | 1866053 | emulsi\$4 or disper\$4 or<br>surfact\$4 or (surface adj<br>active)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/01<br>14:39 |
| S11 | 0       | (S4 with S9) with S10  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/01<br>14:40 |
| S12 | 1       | (S4 with S9) same S10  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/01<br>14:41 |

| S13 | 36     | (S4 with S9) and S10   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/01<br>14:43 |
|-----|--------|--|---|----|----|---------------------|
| S14 | 791279 | copolymer or co\$1polymer<br>or (co adj polymer)                             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/01<br>14:42 |
| S15 | 7      | ((S4 with S9) with S14) and S10  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/01<br>14:54 |
| S16 | 2      | (((S4 with S9) same S14)<br>and S10) not S15                                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/01<br>14:49 |
| S17 | 21     | (((S4 with S9) and S14) and<br>S10) not (S15 or S16)                         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/01<br>14:50 |
| S18 | 215118 | acrylicacid or acrylic\$1acid\$1<br>or (acrylic adj acid)                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/01<br>14:54 |
| S19 | 13     | ((S4 with S9) with S18) and<br>S10   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/01<br>14:58 |
| S20 | 7      | (((S4 with S9) same S18)<br>and S10) not S19                                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/01<br>15:01 |
| S21 | 4      | (((S4 with S9) and S18) and<br>S10) not (S15 or S16 or S17<br>or S19 or S20) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/01<br>15:04 |

| S22 | 3       | ("6620770" "6887832"<br>"7008907").pn.   | USPAT   | OR | ON | 2007/10/01<br>15:41 |
|-----|---------|--|---|----|----|---------------------|
| S23 | 175     | (mineral adj oil) with synthetic with paraffin with olefin   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/01<br>16:50 |
| S24 | 143     | (mineral adj oil) with synthetic with paraffin with olefin   | US-PGPUB;<br>USPAT  | OR | ON | 2007/10/01<br>16:50 |
| S25 | 28      | \$24 and ("507"/\$.ccls. or<br>"166"/\$.ccls.)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/01<br>16:52 |
| S26 | 694     | 507/119,118,925.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/19<br>15:34 |
| S27 | 1278    | vinylneodecanoate vinyl<br>\$1neodecanoate\$1 vinylneo<br>\$1decanoate\$1 vinyl\$1neo<br>\$1decanoate\$1 (vinyl adj<br>neodecanoate) (vinylneo adj<br>decanoate) (vinyl adj neo<br>\$1decanoate\$1) (vinyl\$1neo<br>\$1 adj decanoate) (vinyl adj<br>neo adj decanoate)      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OZ | 2008/06/19<br>15:34 |
| S28 | 35038   | ethylhexylacrylate ethyl<br>\$1hexylacrylate\$1 ethylhexyl<br>\$1acrylate\$1 ethyl\$1hexyl<br>\$1acrylate\$1 (ethyl adj<br>hexylacrylate) (ethylhexyl<br>adj acrylate) (ethyl adj hexyl<br>\$1acrylate) (ethyl\$1hexyl\$1<br>adj acrylate) (ethyl adj hexyl<br>adj acrylate) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR |    | 2008/06/19<br>15:34 |
| S29 | 1992931 | emulsi\$4 or disper\$4 or<br>surfact\$4 or (surface adj<br>active)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/19<br>15:34 |
| S30 | 1       | (S27 with S28) with S29  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/19<br>15:34 |

| S31         | 2      | (S27 with S28) same S29                                   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/19<br>15:34 |
|-------------|--------|---|---|----|----|---------------------|
| <b>S</b> 32 | 42     | (S27 with S28) and S29                                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR |    | 2008/06/19<br>15:34 |
| S33         | 872112 | copolymer or co\$1polymer<br>or (co adj polymer)          | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/19<br>15:34 |
| S34         | 8      | ((S27 with S28) with S33)<br>and S29                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/19<br>15:34 |
| <b>S</b> 35 | 2      | ((((S27 with S28) same S33)<br>and S29) not S34           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/19<br>15:34 |
| S36         | 24     | (((S27 with S28) and S33)<br>and S29) not (S34 or S35)    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/19<br>15:34 |
| <b>S</b> 37 | 242174 | acrylicacid or acrylic\$1acid\$1<br>or (acrylic adj acid) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/19<br>15:34 |
| <b>S</b> 38 | 16     | ((S27 with S28) with S37)<br>and S29                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/19<br>15:34 |
| <b>S</b> 39 | 7      | (((S27 with S28) same S37)<br>and S29) not S38            | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/19<br>15:34 |

| S40 | 6   | (((\$27 with \$28) and \$37)<br>and \$29) not (\$34 or \$35 or<br>\$36 or \$38 or \$39)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/19<br>15:34 |
|-----|-----|--|---|----|----|---------------------|
| S41 | 164 | (mineral adj oil) with synthetic with paraffin with olefin   | US-PGPUB;<br>USPAT  | OR | ON | 2008/06/19<br>15:34 |
| S42 | 32  | S41 and ("507"/\$.ccls. or<br>"166"/\$.ccls.)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/19<br>15:34 |
| S43 | 10  | ("5187049"   "5274623"  <br>"5286704"   "5362536"  <br>"5607739"   "5645964"  <br>"5952073"   "5955224"  <br>"6077584"   "6251571").PN.  | USPAT   | OR | ON | 2008/06/19<br>15:56 |
| S44 | 87  | ("2816073"   "3684012"   "3878117"   "3912683"   "3954627"   "3988246"   "4007149"   "4012329"   "4148821"   "4151096"   "4153588"   "4264455"   "4366070"   "4390474"   "4422947"   "4425462"   "4428845"   "4447338"   "4473479"   "4488975"   "4553601"   "4559233"   "4553601"   "4559233"   "4619772"   "4670501"   "4671883"   "4777200"   "4787990"   "4802998"   "4787990"   "4802998"   "4964615"   "5045219"   "5106516"   "5189012"   "5232910"   "5237080"   "5232910"   "5237080"   "5338401"   "5318956"   "5308401"   "5333698"   "5403508"   "5403822"   "5407909"   "5432152"   "5441927"   "5498596"   "5508258"   "5552462"   "5508258"   "5552462"   "5591699"   "5605879"   "5744677"   "5837655"   "5846913"   "5849974"   "5869434"   "5877378"   "5909779"   "5929297"   "5958845"   "6001790" | US-PGPUB;<br>USPAT; USOCR   | OR |    | 2008/06/19          |

|     |         | "6022833"   "6034037"  <br>"6090754"   "6107255"  <br>"6110874"   "6165946"  <br>"6180572"   "6204224"  <br>"6222229"   "6451953"  <br>"6515031"   "RE36066").PN.  |   |    |    |                     |
|-----|---------|--|---|----|----|---------------------|
| S45 | 2       | ("20030064897"  <br>"20030144153").PN.   | US-PGPUB  | OR | ON | 2008/06/19<br>15:57 |
| S46 | 4       | ("20040102332"   "3878110"<br>  "4142595"   "4222927").<br>PN.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/06/19<br>15:57 |
| S47 | 2       | ("20040110642"  <br>"6462096").PN.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/06/19<br>15:57 |
| S48 | 1       | ("6289989").PN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/06/19<br>15:57 |
| S49 | 2       | ("5382290"   "5620946").PN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/06/19<br>15:58 |
| S50 | 108     | S43 S44 S45 S46 S47 S48<br>S49   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/19<br>15:58 |
| S51 | 698     | 507/119,118,925.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/27<br>13:24 |
| S52 | 1332    | vinylneodecanoate vinyl<br>\$1neodecanoate\$1 vinylneo<br>\$1decanoate\$1 vinyl\$1neo<br>\$1decanoate\$1 (vinyl adj<br>neodecanoate) (vinylneo adj<br>decanoate) (vinyl adj neo<br>\$1decanoate\$1) (vinyl\$1neo<br>\$1 adj decanoate) (vinyl adj<br>neo adj decanoate)      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/27<br>13:24 |
| S53 | 35929   | ethylhexylacrylate ethyl<br>\$1hexylacrylate\$1 ethylhexyl<br>\$1acrylate\$1 ethyl\$1hexyl<br>\$1acrylate\$1 (ethyl adj<br>hexylacrylate) (ethylhexyl<br>adj acrylate) (ethyl adj hexyl<br>\$1acrylate) (ethyl\$1hexyl\$1<br>adj acrylate) (ethyl adj hexyl<br>adj acrylate) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/27<br>13:24 |
| S54 | 2034246 | emulsi\$4 or disper\$4 or<br>surfact\$4 or (surface adj<br>active)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/27<br>13:24 |

| S55 | 1      | (S52 with S53) with S54                                   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/27<br>13:24 |
|-----|--------|---|---|----|----|---------------------|
| S56 | 2      | (S52 with S53) same S54                                   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/27<br>13:24 |
| S57 | 43     | (S52 with S53) and S54                                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/27<br>13:24 |
| S58 | 888944 | copolymer or co\$1polymer<br>or (co adj polymer)          | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/27<br>13:24 |
| S59 | 8      | ((S52 with S53) with S58)<br>and S54                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/27<br>13:24 |
| S60 | 2      | (((S52 with S53) same S58)<br>and S54) not S59            | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/27<br>13:24 |
| S61 | 25     | (((S52 with S53) and S58)<br>and S54) not (S59 or S60)    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/27<br>13:24 |
| S62 | 247910 | acrylicacid or acrylic\$1acid\$1<br>or (acrylic adj acid) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/27<br>13:24 |
| S63 | 17     | ((S52 with S53) with S62)<br>and S54                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/10/27<br>13:24 |

| S64 | 7   | (((S52 with S53) same S62)<br>and S54) not S63                                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR |     | 2008/10/27<br>13:24 |
|-----|-----|--|---|----|-----|---------------------|
| S65 | 6   | (((S52 with S53) and S62)<br>and S54) not (S59 or S60 or<br>S61 or S63 or S64) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/10/27<br>13:24 |
| S66 | 176 | (mineral adj oil) with synthetic with paraffin with olefin                     | US-PGPUB;<br>USPAT  | OR | ON  | 2008/10/27<br>13:25 |
| S67 | 6   | (((S52 with S53) and S62)<br>and S54) not (S59 or S60 or<br>S61 or S63 or S64) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | CON | 2008/10/27<br>13:27 |
| S68 | 34  | S66 and ("507"/\$.ccls. or<br>"166"/\$.ccls.)                                  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/10/27<br>13:27 |

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